

Effects of Boron and Sodium chloride stress on pistachio rootstock

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Pistachio is one of the important economic production in Iran and also is important source of foreign exchange revenue in our country. As majority of pistachio production is in arid and semi-arid region with usually low rainfall and high evaporation, which gradually increases the amount of soil salinity. Moreover low quality of water irrigation increases soil salinity of pistachio cultivated region. Because of importance of this subject and in order to investigate the salinity effects, present research was started in University of Tarbiat Modarres to study the effect of Sodium chloride and Boron excess on different pistachio rootstocks. In this study 6 selected rootstocks including: *Pistacia mutica*, *Pistacia atlantica*, *Pistacia khinjuk*, *Pistacia terebinthus*, *Pistacia vera* (Sarakhsi cultivar) and *Pistacia vera* (Badami-e-zarand cultivar). were used Nuts of selected rootstock were sown after 1 month stratification in 1.5 lit plastic pots in greenhouse situation. After germination, seedlings were supplied twice a week with Hogland solution. Primary results show that germination of *terebinthus* and *khinjuk* rootstocks had some problems but the others had no problems. Present research will be continued in order to investigate the effect of Sodium Chloride and Boron excess and their interaction with different rootstocks and measurement of some physiological characteristics. This paper discusses primary results and future plan and experiments on different rootstocks.